

Please type a plus sign (+) inside box ☐

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**  
(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 130017-0010  
First Inventor or Application Identifier Michael F. Morganelli et al.  
Title Method and Apparatus for Detecting and Resolving Circular Flow Paths in Graphical Programming Systems  
Express Mail Label No. EL056802878US

**APPLICATION ELEMENTS**  
See MPEP chapter 600 concerning utility application contents

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages 59]  
(preferred arrangement set forth below)
- Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) [Total Sheets 25]
4. Oath or Declaration [Total Pages ]
- a. ☐ Newly executed (original copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
- DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (Identical to computer copy)
- c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8. Assignment Papers (cover sheet & document(s))
9. 37 C.F.R. § 3.73(b) Statement (when there is ☐ Power of Attorney an assignee)
10. English Translation Document (if applicable)
11. Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. Preliminary Amendment
13. Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. \*Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired  
(PTO/SB/09-12)
15. Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. Other:

**\*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)**

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment.

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: /

Prior application Information: Examiner

Group/Art Unit:

**18. CORRESPONDENCE ADDRESS**

☐ Customer Number or Bar Code Label

or ☒ Correspondence address below

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Registration No. (Attorney/Agent) 38,280

Signature

Michael R. Reinemann

Date

January 14, 2000

# FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

(\$)

0

## Complete If Known

Application Number	not yet assigned
Filing Date	January 14, 2000
First Named Inventor	Michael F. Morganelli et al.
Examiner Name	not yet assigned
Group / Art Unit	not yet assigned
Attorney Docket No.	130017-0010

### METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

Deposit  
Account  
Name

- ☐ Charge Any Additional Fee Required Under 37 C.F.R. §§1.16 and 1.17 ☐ Charge the Issue Fee Set in 37 C.F.R. §§1.18 at the Mailing of the Notice of Allowance

2. ☐ Payment Enclosed:

- ☐ Check ☐ Money ☐ Other  
Order

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
101	690 201	345		Utility filing fee	
106	310 206	155		Design filing fee	
107	480 207	240		Plant filing fee	
108	690 208	345		Reissue filing fee	
114	150 214	75		Provisional filing fee	
SUBTOTAL (1) (\$)					0

#### 2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
20**	3**		0	0	0
			0	0	0
					0

\*\*or number previously paid, if greater; For Reissues, see below

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
103	18 203	9		Claims in excess of 20	
102	78 202	39		Independent claims in excess of 3	
104	260 204	130		Multiple dependent claim, if not paid	
109	78 209	39		**Reissue independent claims over original patent	
110	18 210	9		**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2) (\$)					0

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid
105	130 205	65		Fee Surcharge - late filing fee or oath	
127	50 227	25		Surcharge - late provisional filing fee or cover sheet	
139	130 139	130		Non-English Specification	
147	2,520 147	2,520		For filing a request for reexamination	
112	920 112	920*		Requesting publication of SIR prior to Examiner action	
113	1,840 113	1,840*		Requesting publication of SIR after Examiner action	
115	110 215	55		Extension for reply within first month	
116	380 216	190		Extension for reply within second month	
117	870 217	435		Extension for reply within third month	
118	1,360 218	680		Extension for reply within fourth month	
128	1,850 128	925		Extension for reply within fifth month	
119	300 219	150		Notice of Appeal	
120	300 220	150		Filing a brief in support of an appeal	
121	260 221	130		Request for oral hearing	
138	1,510 138	1,510		Petition to institute a public use proceeding	
140	110 240	55		Petition to revive - unavoidable	
141	1,210 241	605		Petition to revive - unintentional	
142	1,210 242	605		Utility Issue fee (or reissue)	
143	430 243	215		Design Issue fee	
144	580 244	290		Plant Issue fee	
122	130 122	130		Petitions to the Commissioner	
123	50 123	50		Petitions related to provisional applications	
126	240 126	240		Submission of Information Disclosure Stmt	
581	40 581	40		Recording each patent assignment per property (times number of properties)	
146	690 246	345		Filing a submission after final rejection (37 CFR 1.129(a))	
149	690 249	345		For each additional invention to be examined (37 CFR 1.129(b))	

Other (specify)  
Other fee (specify)

SUBTOTAL (3) (\$)

0

\*Reduced by Basic Filing Fee Paid

### SUBMITTED BY

Typed or Printed Name Michael R. Reinemann

Signature

*Michael R. Reinemann*

Date

January 14, 2000

### Complete (if applicable)

Reg. Number 38,280

Deposit Account User ID

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of: )  
Michael F. Morganelli et al. )  
Serial No.: not yet assigned ) Examiner: not yet assigned  
Filed: January 14, 2000 ) Art Unit: not yet assigned  
For: Method and Apparatus for Detecting )  
and Resolving Circular Flow Paths in )  
Graphical Programming Systems )

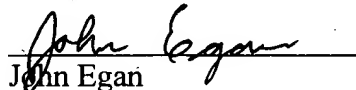
Cesari and McKenna, LLP  
30 Rowes Wharf  
Boston, MA 02110  
January 14, 2000

**CERTIFICATE OF EXPRESS MAILING**

"Express Mail" Mailing-Label Number: EL056802878US

I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service pursuant to 37 C.F.R. §1.10 in an envelope addressed to Box Patent Application, Assistant Commissioner for Patents, Washington, DC 20231 on January 14, 2000:

X Patent Application ( 59 pages including 12 claims )  
X Fee Transmittal Letter X Utility Patent Application Transmittal Letter  
X Informal Drawing ( 25 sheets )

  
John Egan